

ADDITION OF INTERMEDIATE SUPPORTS FOR SPIRAL CONVEYORS5    Abstract

          A helical or "spiral" conveyor belt system is retrofitted with further belt supports, added between existing belt supports, when needed for heavier loading, preferably without removing the belt from the spiral support structure. The additional support apparatus includes a series of snap-on plastic brackets, to be snapped over the cantilevered bars that extend horizontally inwardly at intervals to support the belt. These brackets form channels within which a set of metal rail members are held, the rail members being in sections securable together around the helical path. A U-shaped wear strip, preferably continuous, is placed down over the metal rails after assembly. This rail addition can be accomplished without removal of the belt, which can be lifted in place sufficiently to assemble the intermediate support components.

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